

**Notice of Allowability**

Application No.

09/815,337

Examiner

Meless N. Zewdu

Applicant(s)

CEDERVALL ET AL.

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**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 10/20/06.
2. ☒ The allowed claim(s) is/are 1-22.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date 4/19/06
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413),  
Paper No./Mail Date 11/16/06
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

## DETAILED ACTION

### *Response to Amendment*

1. This action is in response to the communication filed on 10/20/06.
2. Claims 1-22 are pending in this action.
3. Claims 1-22 are allowed.

## EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Lastova, John (Reg. No. 33,149) on 11/16/06.

The application has been amended as follows:

### **Please amend the claims as shown below:**

**In claim 1**, replace the text beginning at line 6 through line 11 with --- locating the at least two mobile stations simultaneously using a number of equations, wherein the number of equations is  $(nm * nb + nm)$  if a round trip time (RTT), to transmit a signal from one base station to a mobile station and receive the transmitted signal back from the mobile station is known for at least two mobile stations, or the number of equations

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is  $(n_m * n_b)$  if the (RTT) for the one base station is not known for the at least two mobile stations, ----

**In claim 12**, replace the text beginning at line 8 through line 13 with --- means for locating the at least two mobile stations simultaneously using a number of equations, wherein the number of equations is  $(n_m * n_b + n_m)$  if a round trip time (RTT), to transmit a signal from one base station to a mobile station and receive the transmitted signal back from the mobile station is known for at least two mobile stations, or the number of equations is  $(n_m * n_b)$  if the (RTT) for the one base station is not known for the at least two mobile stations, ----

**In claim 12**, on line 4, substitute "stations," with --- stations; ----

**In claim 12**, on line 5, substitute "stations," with --- stations;

**In claim 7**, on line 1, cancel the word, "**sufficient**",

**In claim 8**, on line 1, cancel the word, "**sufficient**",

**In claim 18**, on line 1, cancel the word, "**sufficient**",

**In claim 19**, on line 1, cancel the word, "**sufficient**",

**In claim 13**, on line 3, substitute the word, "**the**" with ---- a ---

***Allowable Subject Matter***

Claims 1-22 are allowed.

The following is an examiner's statement of reasons for allowance:

As per claims 1-22: the claims are directed to locating mobile stations. The prior art of record does not teach or fairly suggest locating at least two mobile stations simultaneously using a number of equations defined by the number of mobiles and the number of base stations involved in the locating process, and wherein the equation for a known RTT (signal round trip) is different from one for an unknown RTT, as recited in claims 1 and 12.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Meless N. Zewdu whose telephone number is (571) 272-7873. The examiner can normally be reached on 8:30 am to 5:00 pm..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Banks-Harold Marsha can be reached on (571) 272-7905. The fax phone

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number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Any inquiry of a general nature relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (571) 272-2600.

Meless Zewdu

A handwritten signature in black ink, appearing to read "Zewdu, Meless".

Examiner

16 November 2006.